

FORM PTO-1390
(REV. 12-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

16516.130

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

To be Assigned **10/030537**

INTERNATIONAL APPLICATION NO.

PCT/US00/18813

INTERNATIONAL FILING DATE

11 Jul 2000 (11.07.00)

PRIORITY DATE CLAIMED

12 Jul 1999 (12.07.99)

TITLE OF INVENTION NUCLEIC ACID MOLECULES AND PROTEINS ASSOCIATED WITH STEROL
SYNTHESIS AND METABOLISM

APPLICANT(S) FOR DO/EO/US

KARUNANANDAA, Balasulojini, YU, Jaehyuk, KISHORE, Ganesh, M.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
Paper copy of the Sequence Listing; Statement Regarding Sequence Listing;
Form PCT/IB/306; Copy of International Search Report

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) To be Assigned 10/030537		INTERNATIONAL APPLICATION NO. PCT/US00/18813		ATTORNEY'S DOCKET NUMBER 16516.130	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1040.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
				\$	890.00
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	46 - 20 =	26	x \$18.00	\$	468.00
Independent claims	22 - 3 =	19	x \$84.00	\$	1,596.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				\$	0.00
TOTAL OF ABOVE CALCULATIONS =				\$	3,084.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	0.00
SUBTOTAL =				\$	3,084.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0.00
TOTAL NATIONAL FEE =				\$	3,084.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	40.00
TOTAL FEES ENCLOSED =				\$	3,124.00
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 3,124.00 to cover the above fees is enclosed.

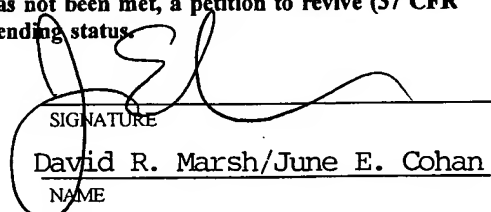
b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1824. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
 David R. Marsh
 ARNOLD & PORTER
 555 Twelfth Street, N.W.
 Washington, D.C. 20004-1206
 Tel: 202-942-5068
 Fax: 202-942-5999


 SIGNATURE
David R. Marsh/June E. Cohan
 NAME
41,408/43,741
 REGISTRATION NUMBER

ARNOLD & PORTER

202.942.5000
202.942.5999 Fax
555 Twelfth Street, NW
Washington, DC 20004-1206

January 11, 2002

Commissioner for Patents
Washington, D.C. 20231

ATTN: Box PATENT APPLICATION

Re: U.S. National Phase Patent Application
International Application No. PCT/US00/18813
International Filing Date: 11 July 2000
International Publication No. WO 01/04314
For: **Nucleic Acid Molecules and Proteins Associated with Sterol
Synthesis and Metabolism**
Inventors: Balasulojini KARUNANANDAA *et al.*
Our Ref: 16516.130

Sir:

The following documents are forwarded herewith for appropriate action by the
U.S. Designated/Elected Office:

1. Transmittal Letter to the United States Designated/Elected Office
(DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (in duplicate);
2. Copy of PCT/US00/18813, published as WO 01/04314 (cover page plus
pages 1 to 68, containing claims 1 to 46);
3. Preliminary Amendment;
4. Paper copy of Sequence Listing (28 pages);
5. Sequence Listing Diskette;
6. Statement Regarding Sequence Submission;
7. Copy of International Search Report (mailed 12 February 2001);
8. Copy of PCT Notification of the Recording of a Change;
9. Recordation Cover Sheet;

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Commissioner for Patents

January 11, 2002

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10. Copy of Assignment executed by the inventors;
11. Check Nos. 200817 and 200883 totalling \$3,124.00 to cover: (\$890.00) Basic National fee; (\$130.00) Surcharge for filing Declaration later than 30 months; (\$2,064.00) Fee for Additional Claims; and (\$40.00); and
12. Two return postcards.

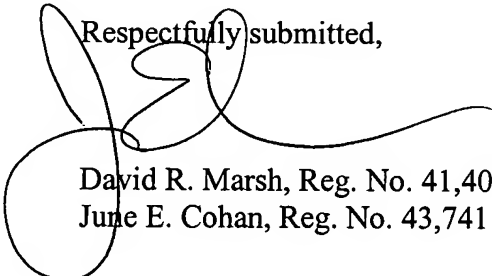
This application is being filed without an executed Declaration.

This application claims priority under 35 U.S.C. § 119(e) and/or 35 U.S.C. § 120 of U.S. Provisional Application No. 60/142,981, filed on 12 July 1999, and is a national stage filing of International Application No. PCT/US00/18813, filed 11 July 2000.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other prepaid postcard be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, and/or credit any overpayment to our Deposit Account No. 50-1824. A duplicate copy of this letter is enclosed.

Respectfully submitted,



David R. Marsh, Reg. No. 41,408
June E. Cohan, Reg. No. 43,741

Attachments